



# FEMA



Prepared by:  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Wednesday, June 13, 2018

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

## Wednesday

- A few strong to severe storms will be possible across far **NE NM**, **NW TX** Panhandle, & **W OK** Panhandle.
- Isolated heavy rain could cause localized flooding in **SE LA**.

## Thursday

- No significant weather expected.

## Friday - Sunday

- Areas of heavy rain/flash flooding possible for **NM** into **Far West TX** beginning late Friday into the weekend and along/near the **TX** & **LA** coasts on **Saturday** and **Sunday**.

## Tropical Outlook

- An area of disturbed weather in the western **Caribbean Sea** may develop into a tropical cyclone as it moves into the southwestern **Gulf** by the end of the week.
  - Formation chance through 48 hours...low...near 0 percent.
  - Formation chance through 5 days...low...20 percent.
- **Bud** has weakened to a tropical storm and will continue to weaken into a tropical depression by this weekend as it moves northward towards **NM**.

# FEMA Region 6 Threat Matrix

June 13 2018 – June 17, 2018



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DAY /THREAT	WED	THU	FRI	SAT	SUN
Severe Storms	NW TX Panhandle, Far W OK Panhandle, NE NM				
Heavy Rain / Flash Flooding	SE LA		NM into Far West TX (Late)	NM into Far West TX. Along/near TX/LA coasts.	NM into Far West TX. Along/near TX/LA coasts.
Fire Weather					
Tropical Weather					
River Flooding					

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*



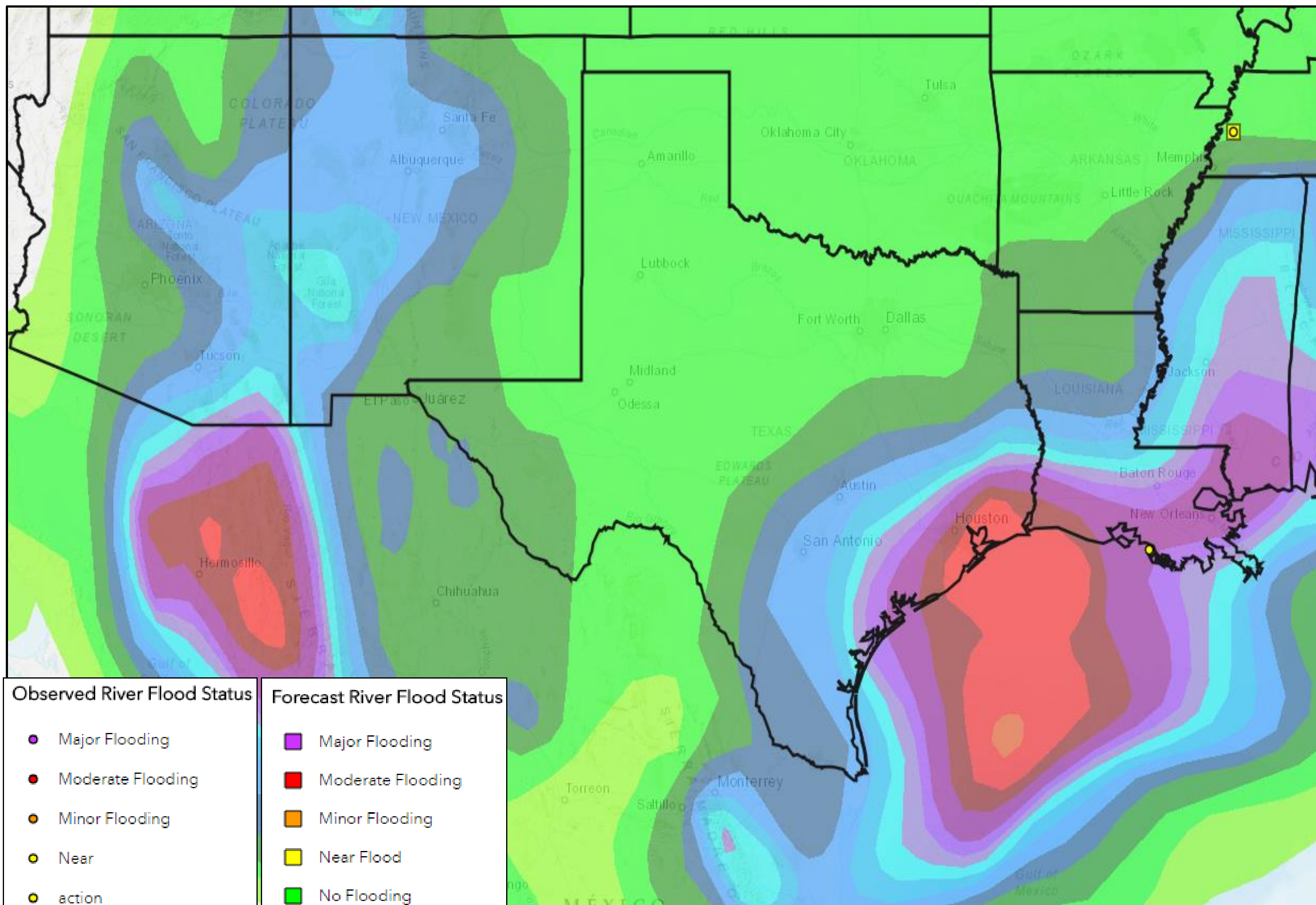
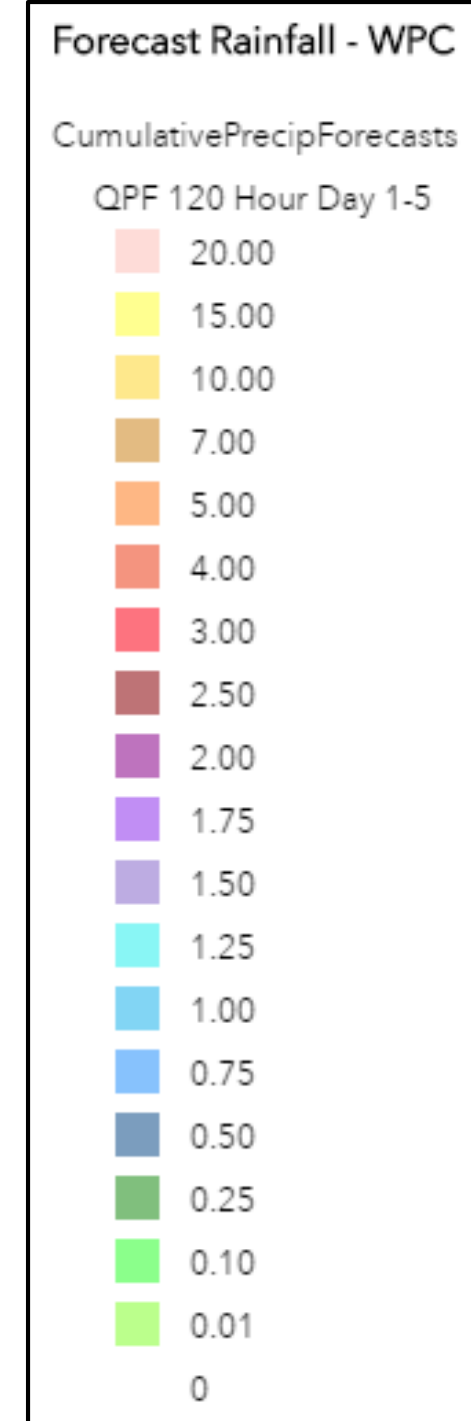
# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*

**No river flooding is observed or forecast. Rain this weekend in NM and along/near the TX & LA coasts will be mostly beneficial since many of these areas are in drought (see next slide).**





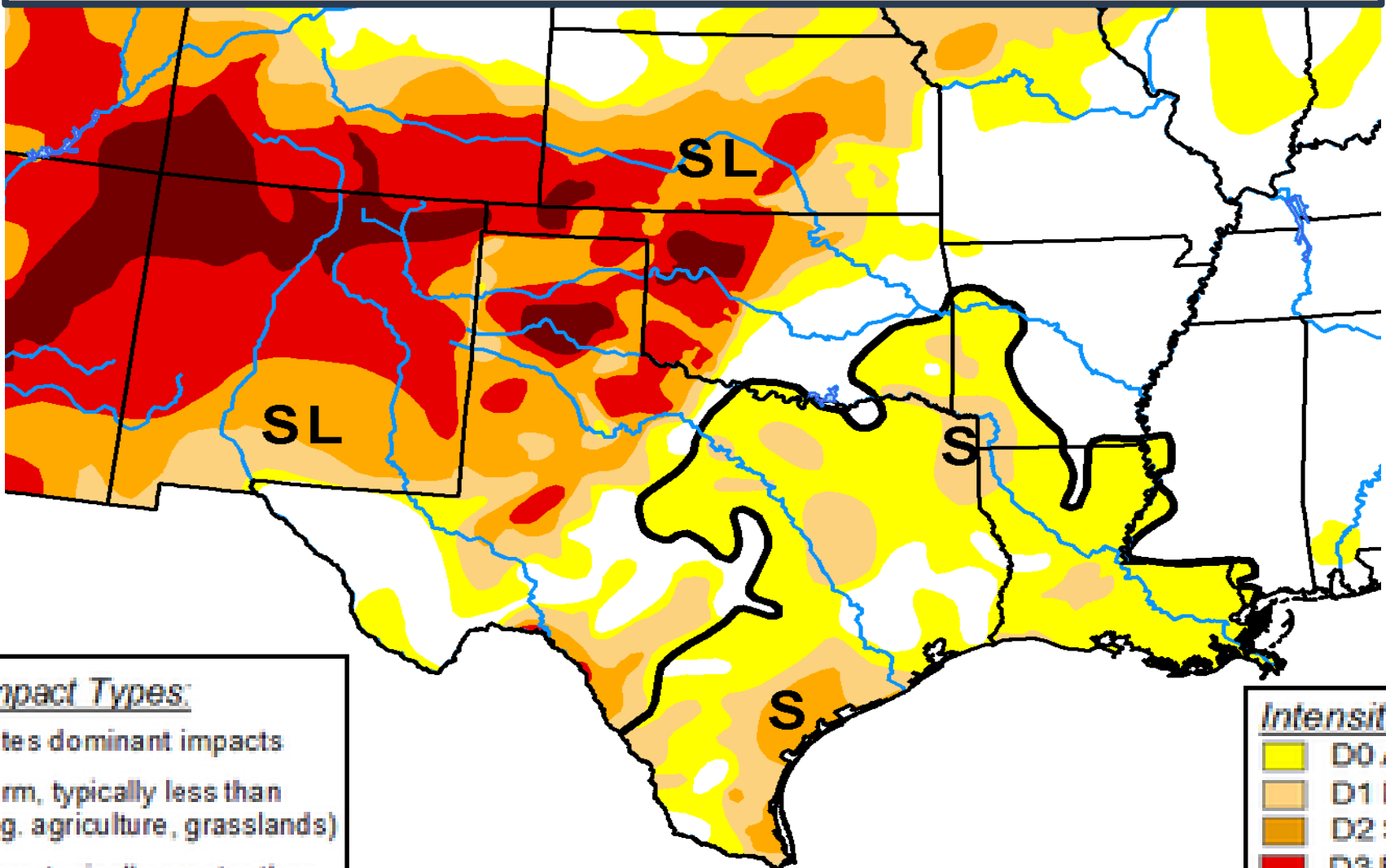
# Drought Monitor (Released June 7th, 2018)



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Data valid as of 7am CDT, Tuesday, June 5th, 2018

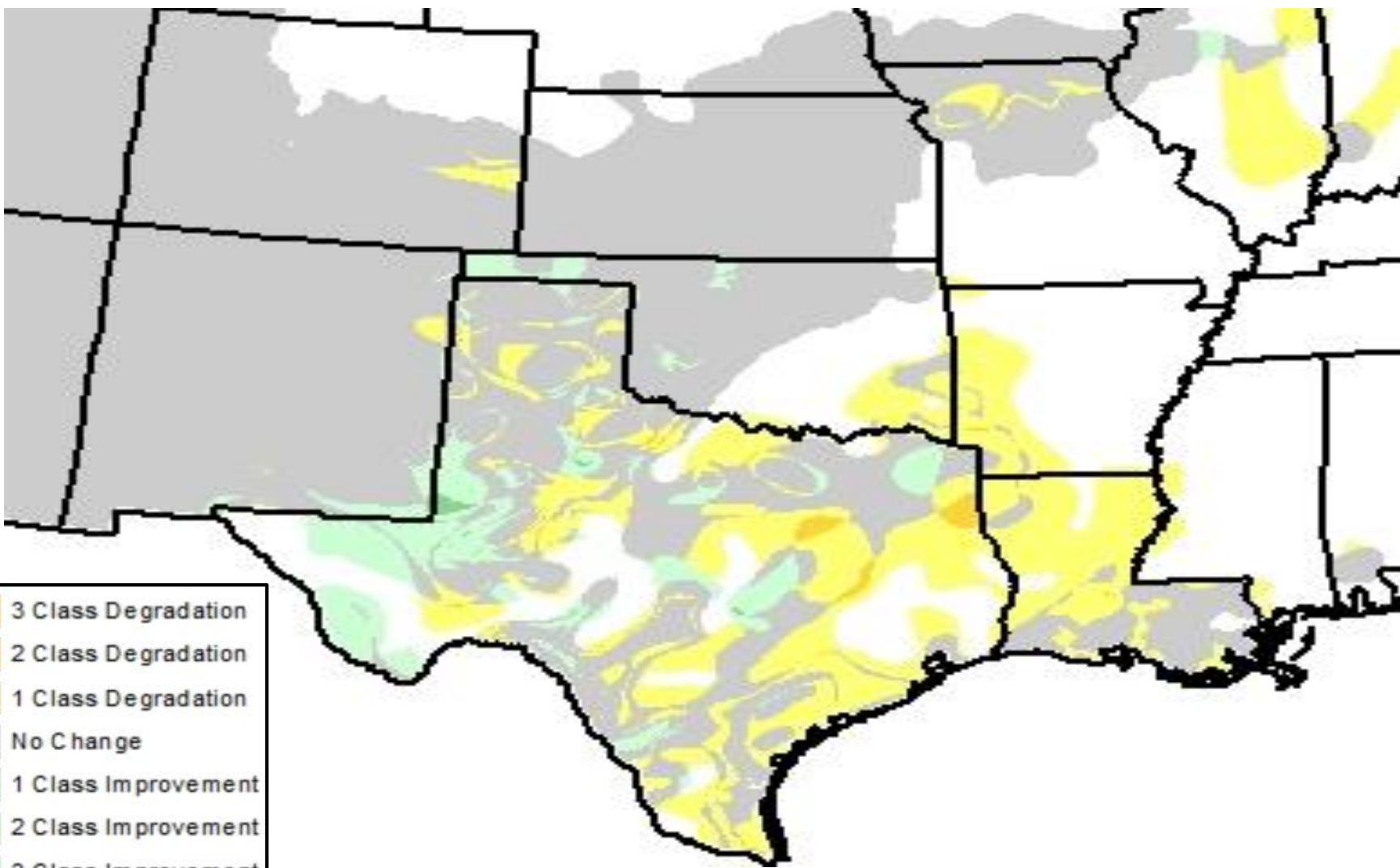
## Drought Monitor



**Drought Impact Types:**  
~ Delineates dominant impacts  
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)  
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

**Intensity:**  
D0 Abnormally Dry  
D1 Moderate Drought  
D2 Severe Drought  
D3 Extreme Drought  
D4 Exceptional Drought

## One Week Change in Drought



3 Class Degradation  
2 Class Degradation  
1 Class Degradation  
No Change  
1 Class Improvement  
2 Class Improvement  
3 Class Improvement

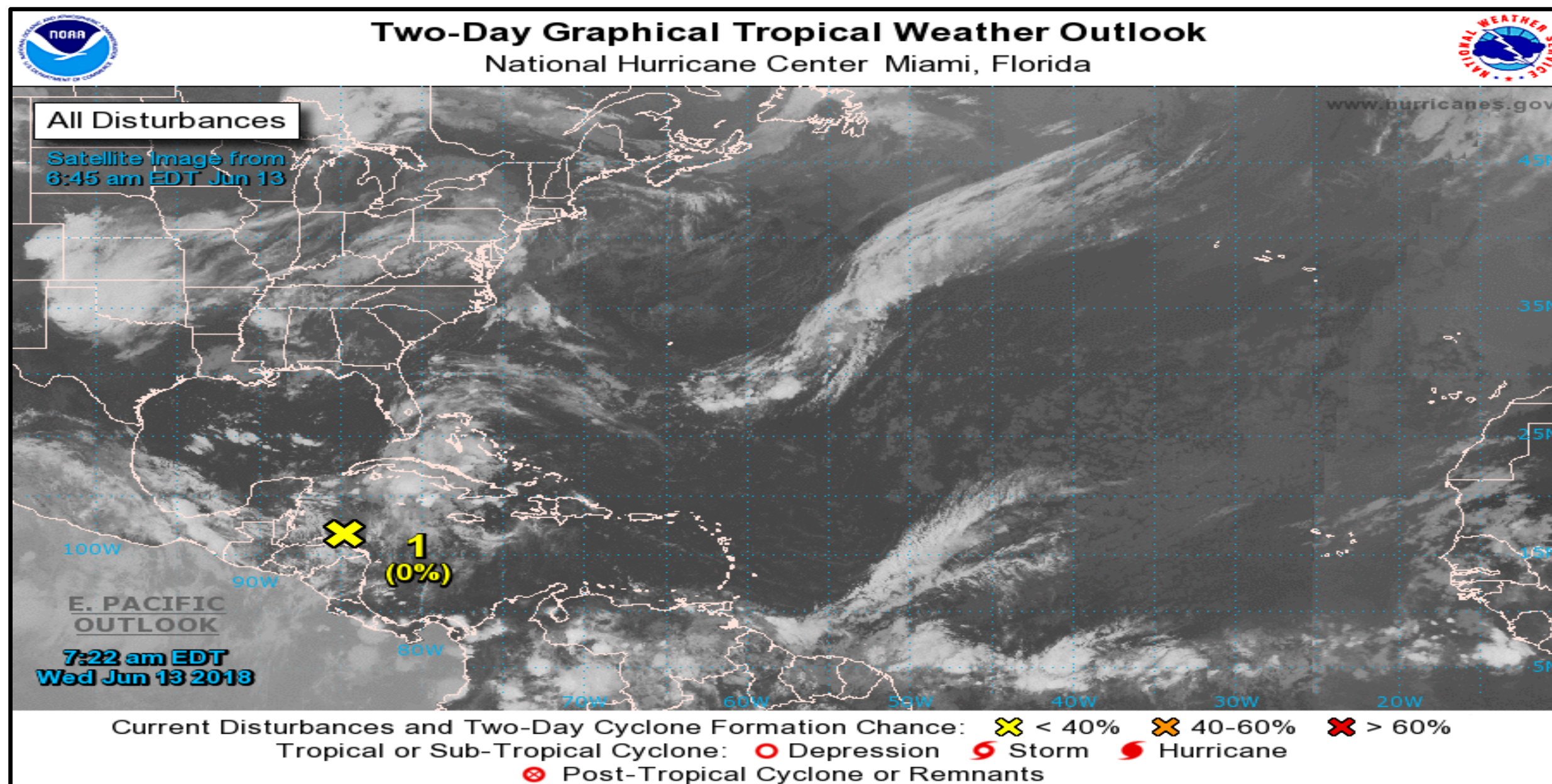
Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)				
State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
Oklahoma	27.84%	29.71%	34.45%	0.00%
Texas	7.29%	7.82%	14.16%	0.00%
New Mexico	61.99%	62.86%	17.08%	0.00%



# Tropical Weather Outlook – Atlantic/Gulf



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## What We Know:

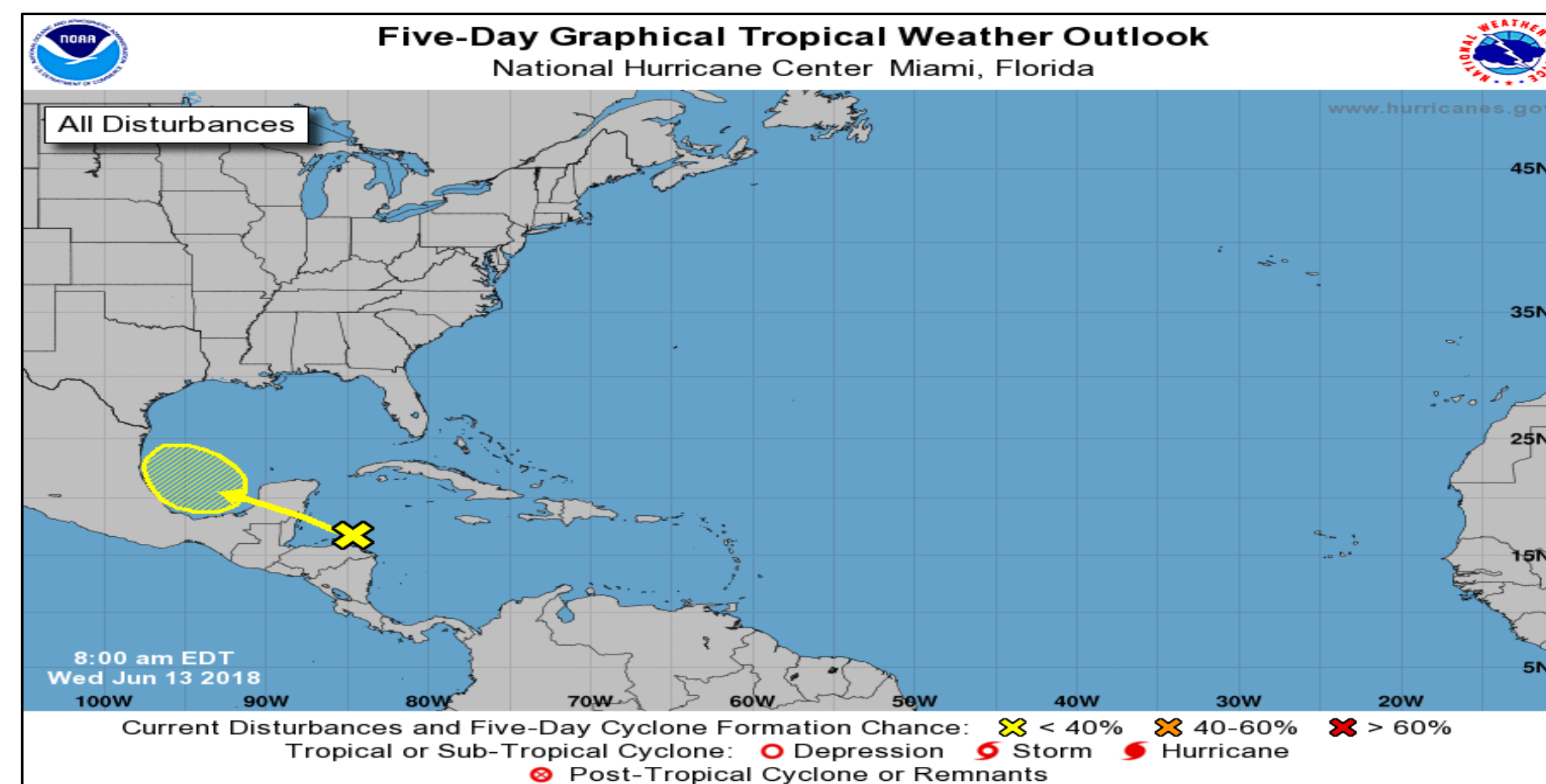
- Rain chances will greatly increase this weekend into early next week for portions of TX and LA as tropical moisture moves into the region.
- Rainfall will help to ease some of the drought conditions the region has been experiencing. Too much rain in a short time period could lead to localized flooding issues.
- Marine conditions may become degraded this weekend with building seas, stronger rip currents, and higher than normal tide levels, if swells from the tropical wave reach the TX/LA coasts.

## What We Don't Know:

- If tropical cyclone development will occur.
- Exactly how much rain will fall and the placement of the highest amounts.
- How high the seas will build or if TX or LA will have any coastal flood impacts.

**Disorganized showers and thunderstorms over the western Caribbean Sea are associated with a weak surface trough. This activity is forecast to move westward to northwestward over Central America and the Yucatan Peninsula during the next couple of days with no significant development. Environmental conditions could become slightly more conducive for some development if the system moves into the southwestern Gulf of Mexico by the end of the week.**

- Formation chance through 48 hours...low...near 0 percent.
- Formation chance through 5 days...low...20 percent.

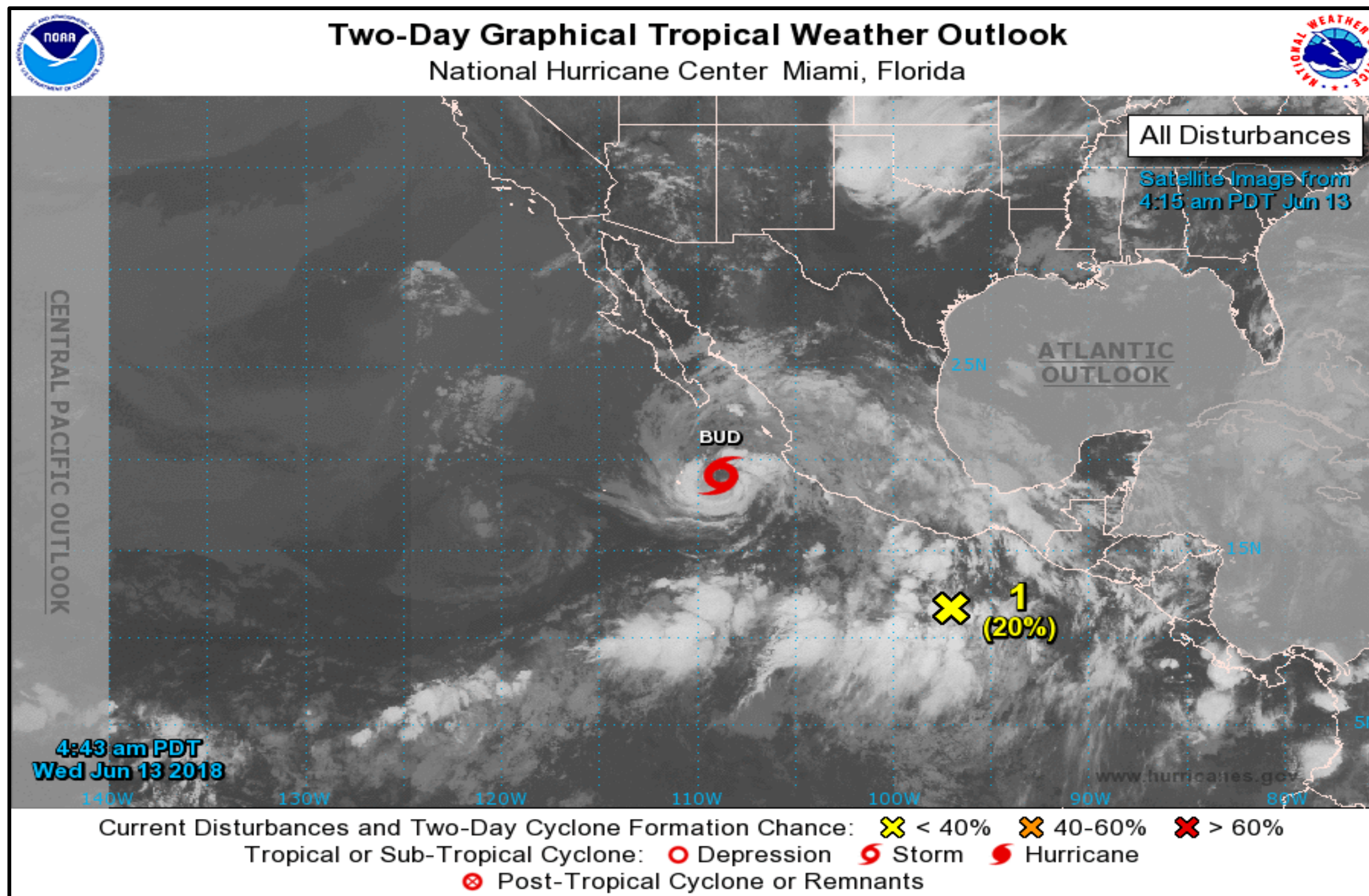




# Tropical Weather Outlook – Eastern Pacific



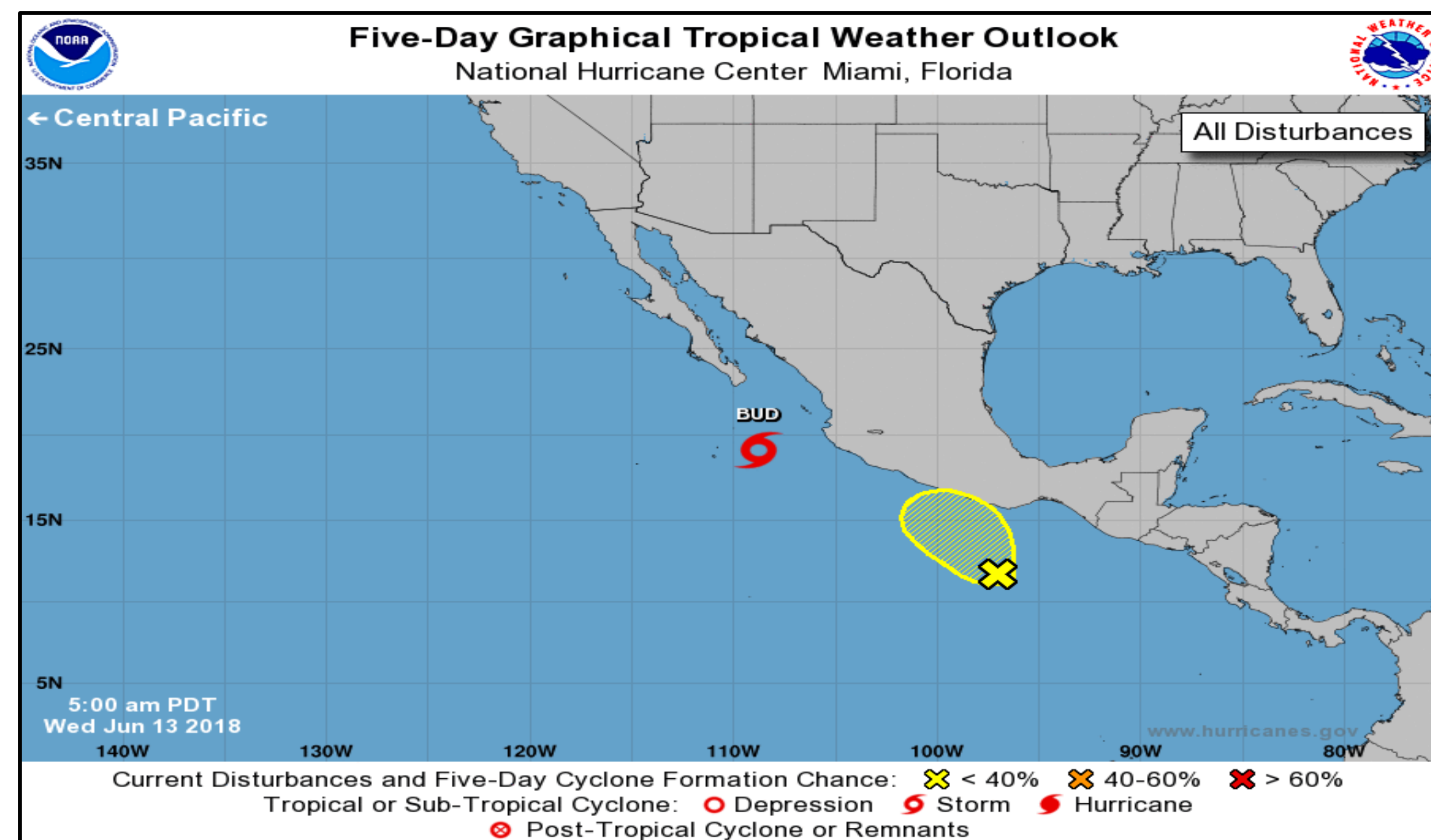
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**See next slide for Hurricane Bud forecast track  
& potential impacts to FEMA Region 6.**

An area of low pressure centered several hundred miles south-southwest of the Gulf of Tehuantepec has become better defined since yesterday. Environmental conditions are forecast to be somewhat conducive, and slow development could occur during the next couple of days as the system drifts north-northwestward. By the weekend, interaction with land is expected to limit further organization.

- Formation chance through 48 hours...low...20 percent.
- Formation chance through 5 days...low...30 percent.



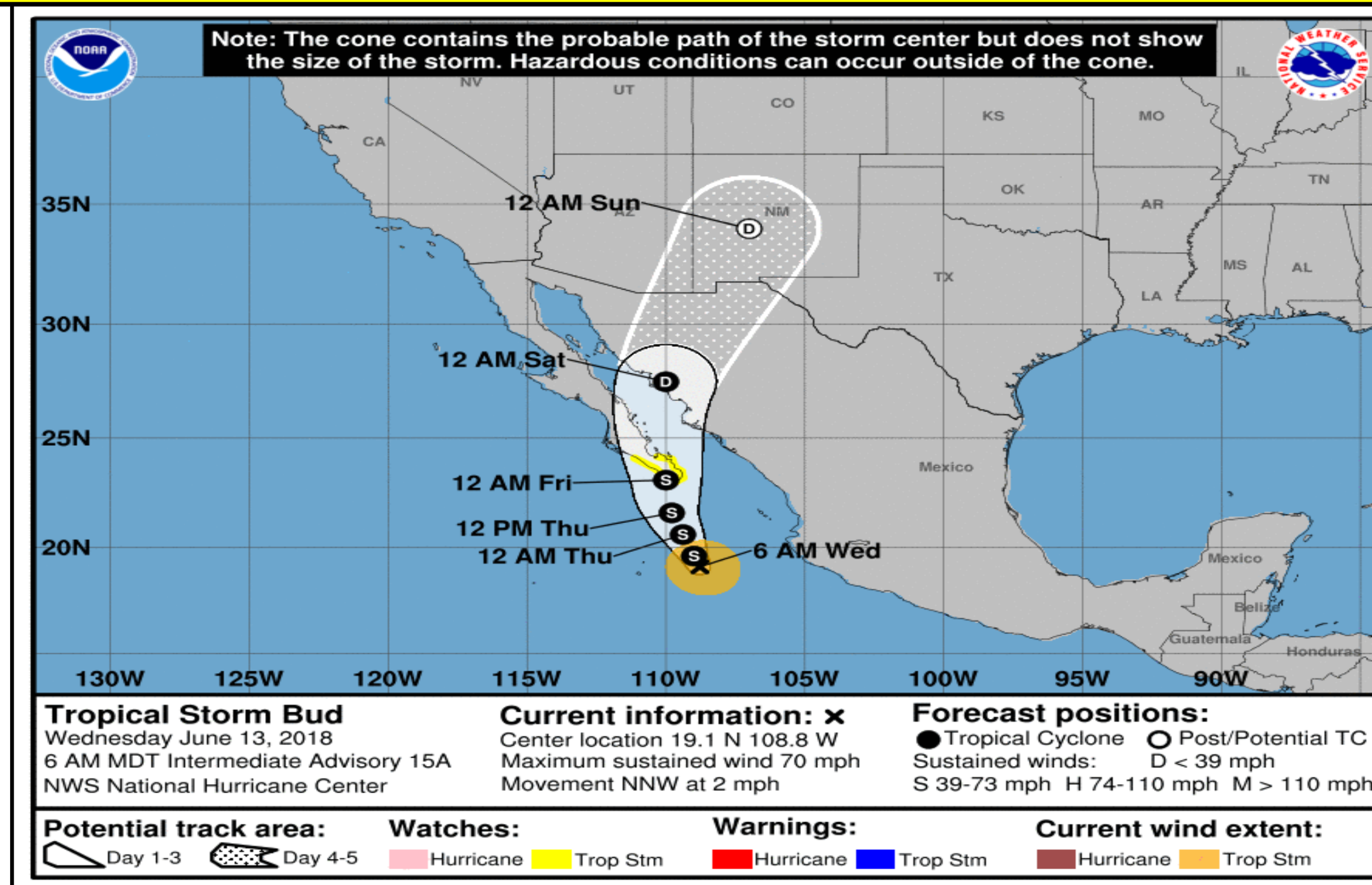


# Tropical Weather Outlook – Eastern Pacific (cont.)



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- Bud has weakened to a tropical storm and further weakening is expected. Bud is forecast to become a tropical depression by this weekend as it moves towards New Mexico.
- Although the winds will weaken, moisture from Bud or its remnants will increase chances for showers and thunderstorms for NM and Far West TX beginning late Friday and persisting through the weekend.
- Rainfall will help to ease some of the drought conditions the region has been experiencing. Too much rain in a short time period could lead to localized flooding issues.
- Recent burn scars will be especially susceptible to flash floods and debris flows.





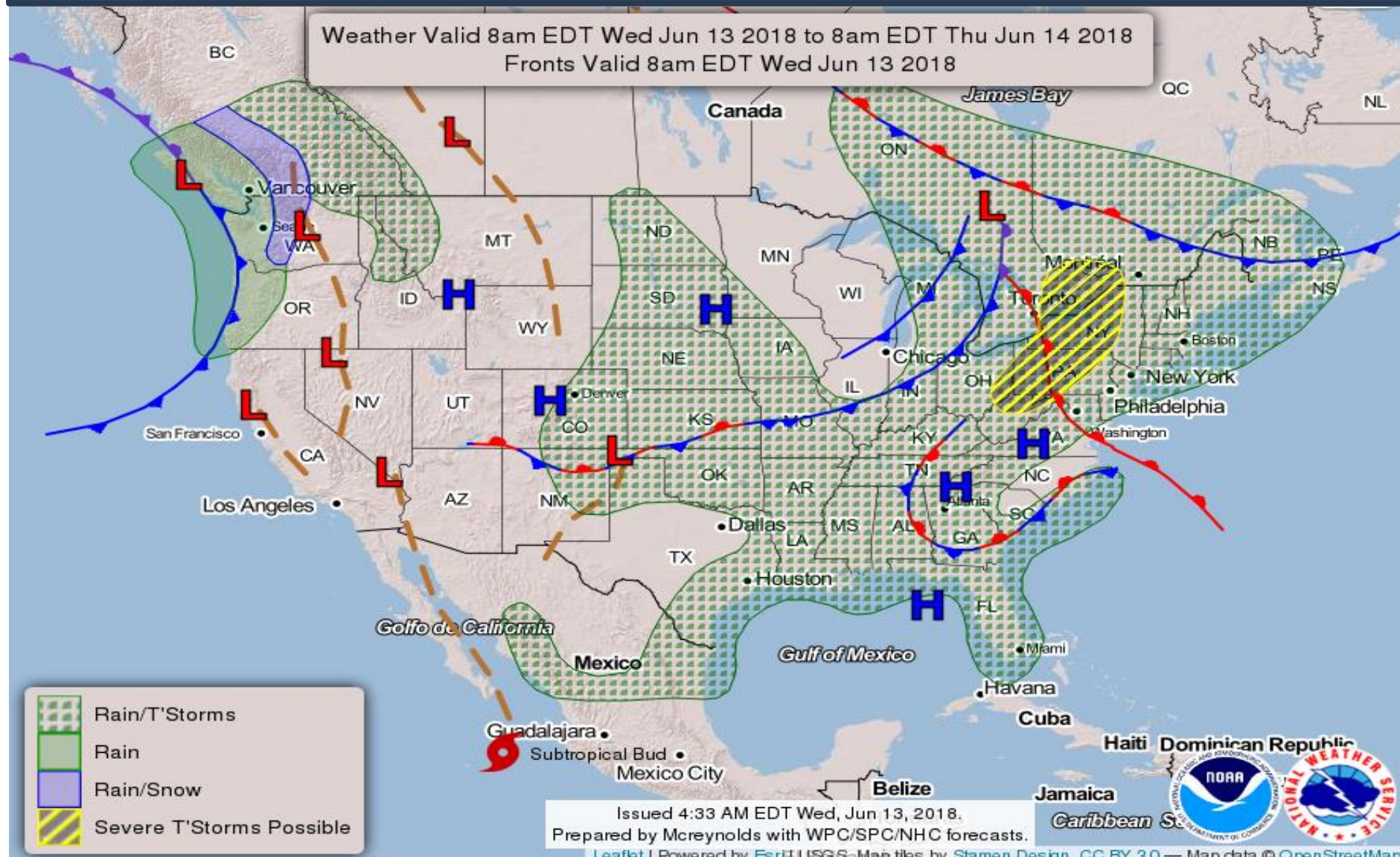
# Today's Weather



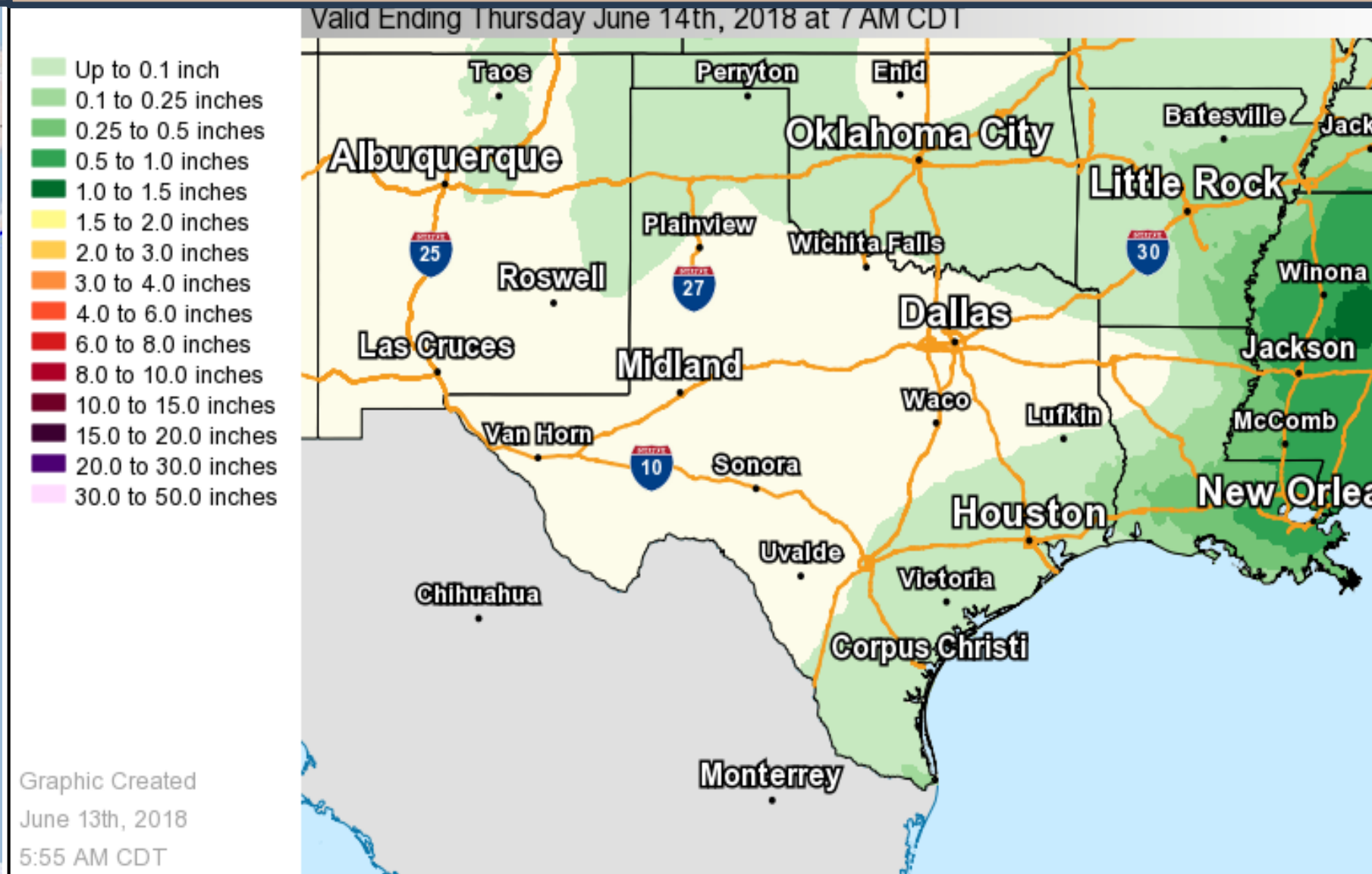
# SR ROC

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# Forecast Chart



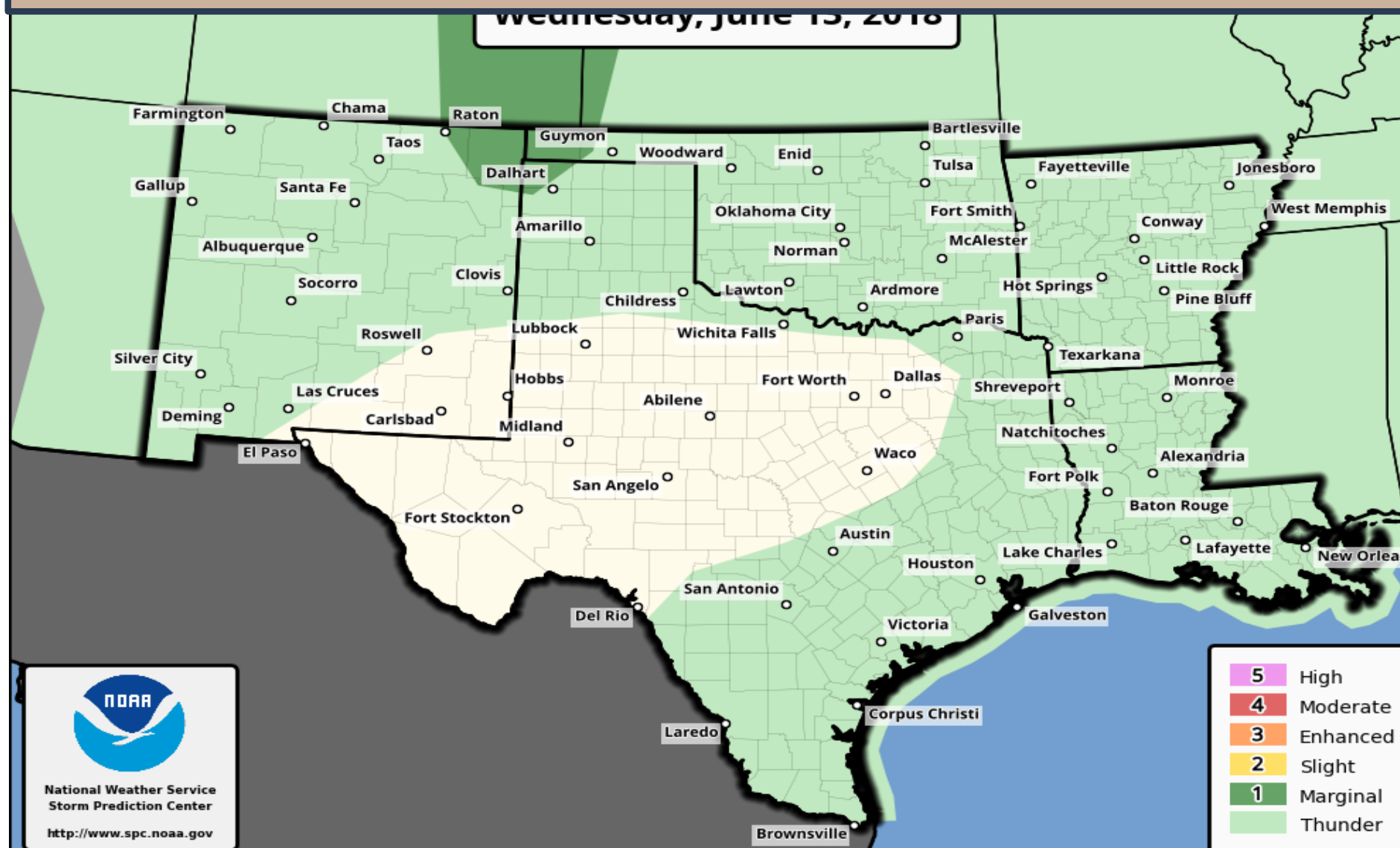
# Forecast Rainfall



**A few strong to severe storms will be possible across far NE NM, the far NW TX Panhandle, and far W OK Panhandle. Large hail and damaging winds are the primary threats.**

**Isolated heavy rainfall could cause localized flooding of low lying and poor drainage areas in southeast LA.**

# Severe Weather Outlook



## Excessive Rainfall Outlook

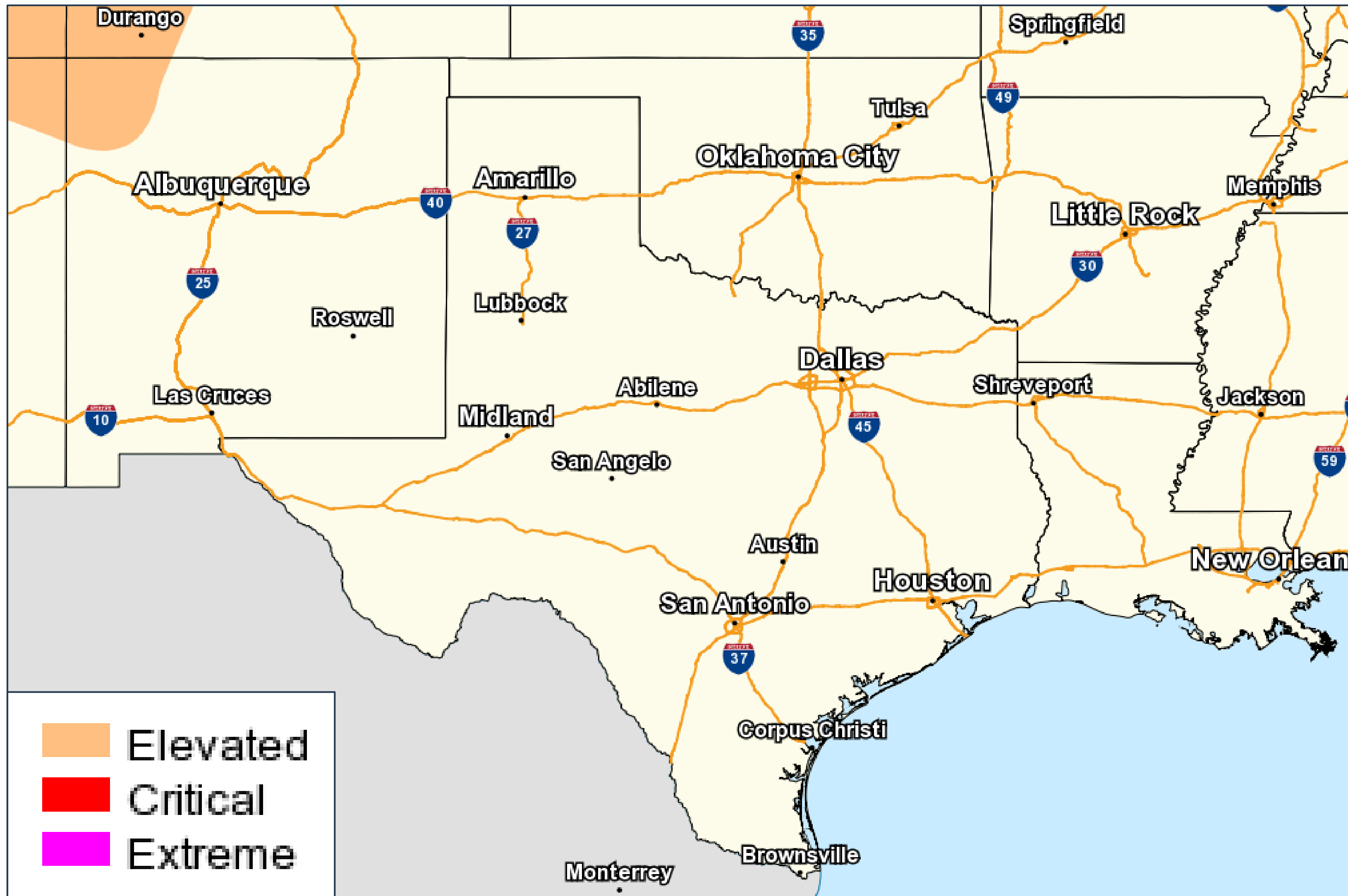




# Today's Fire Weather Outlook



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**Minimal Fire Weather Concerns.**

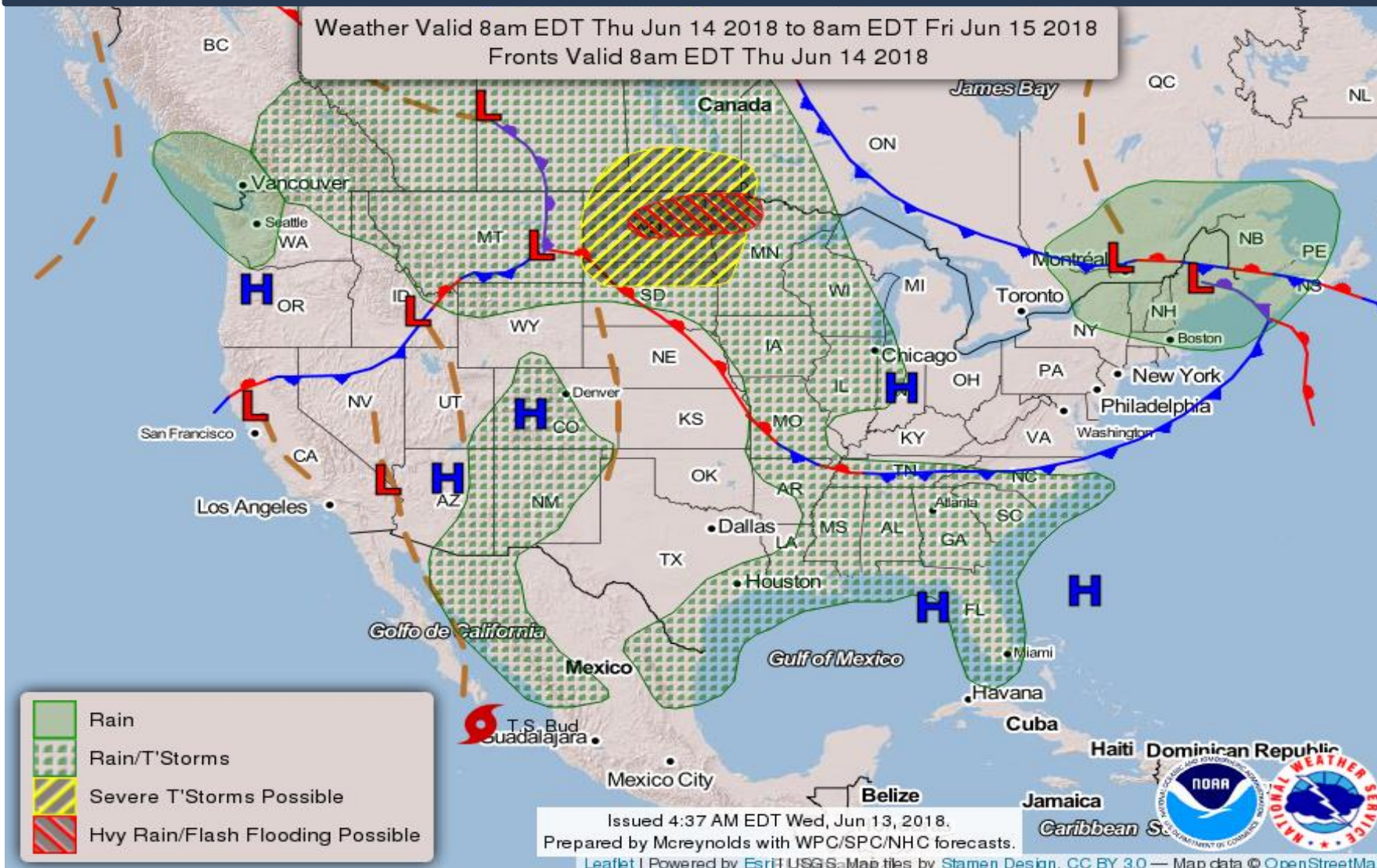


# Tomorrow's Weather



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## Forecast Chart

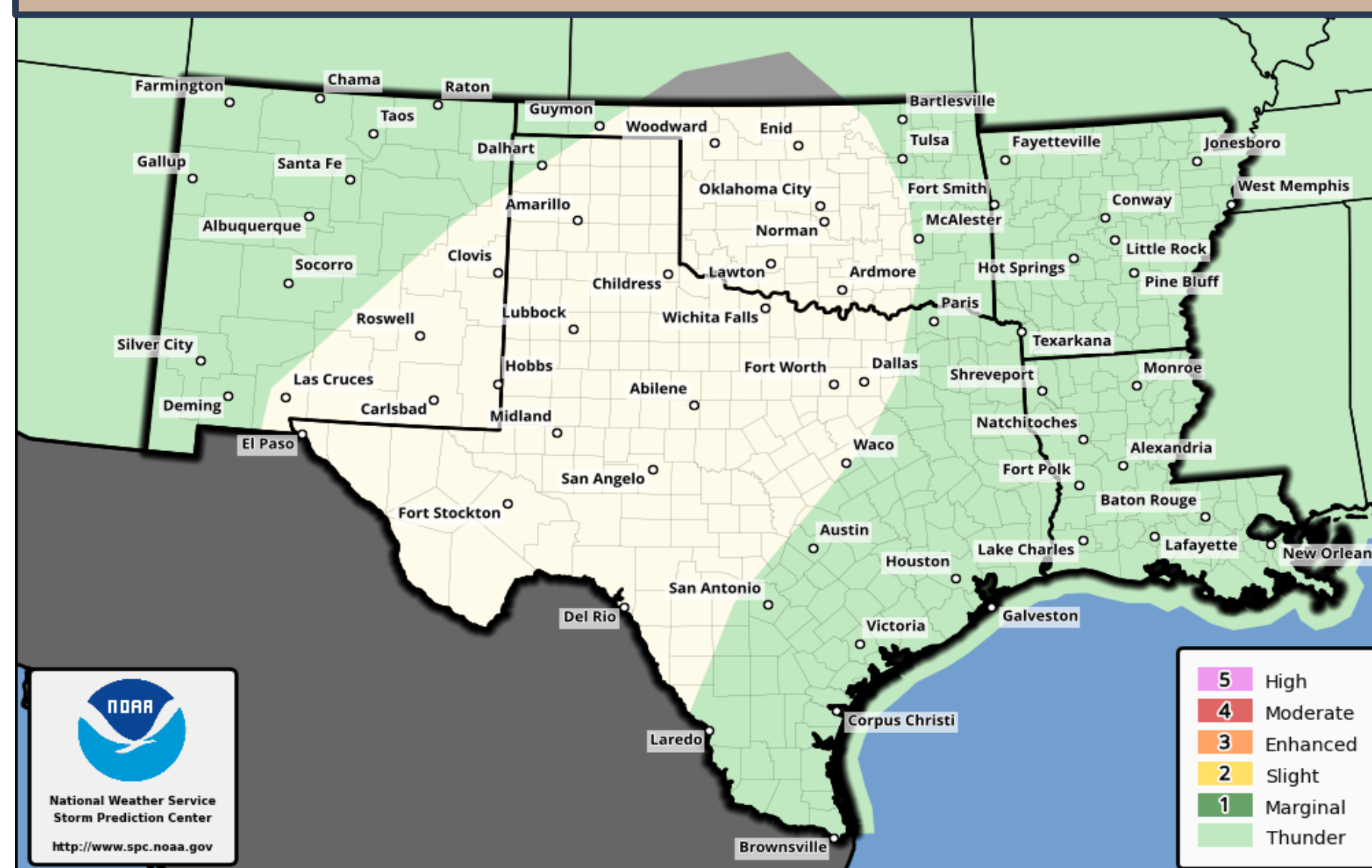


## Forecast Rainfall

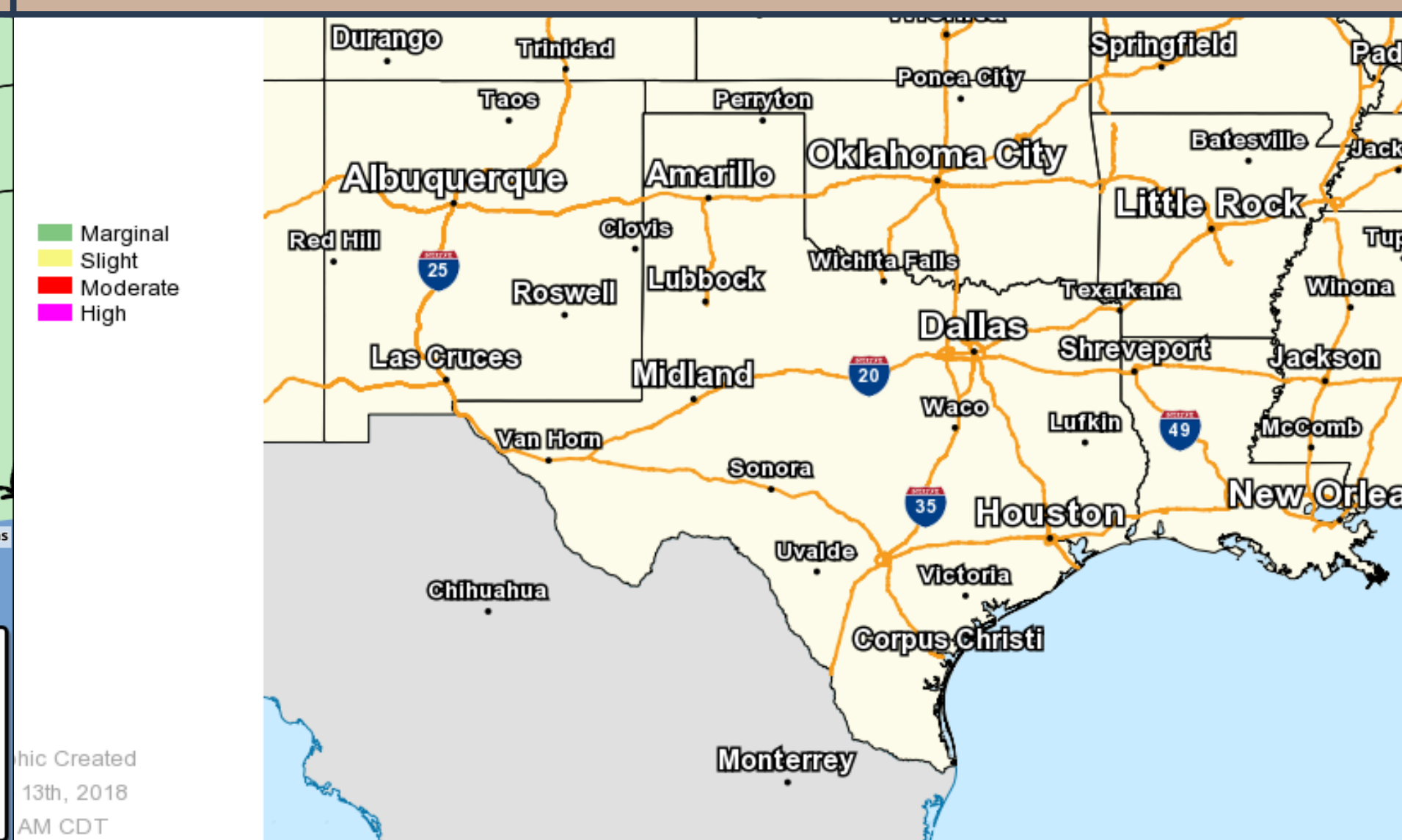


No significant weather  
expected.

## Severe Weather Outlook



## Excessive Rainfall Outlook



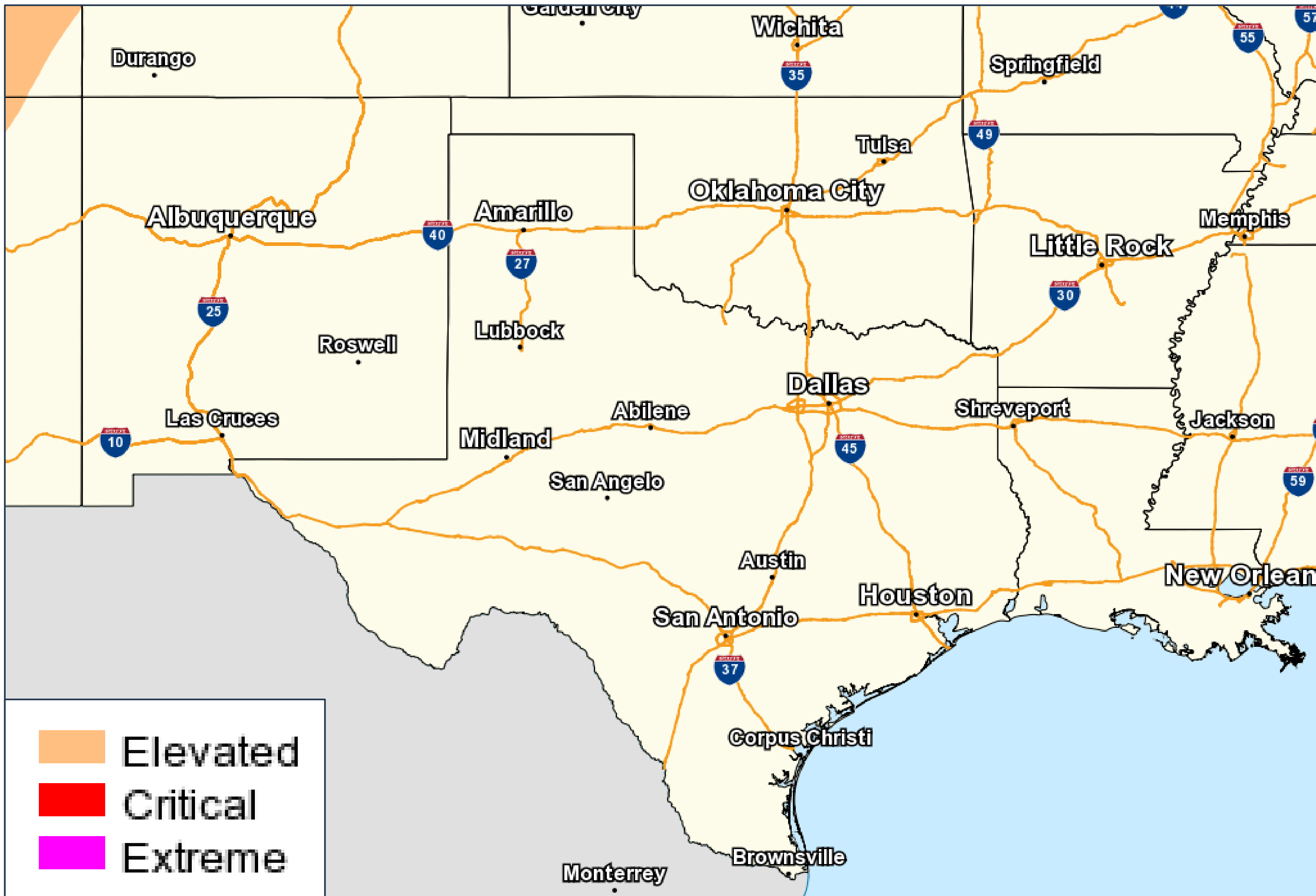


# Tomorrow's Fire Weather Outlook



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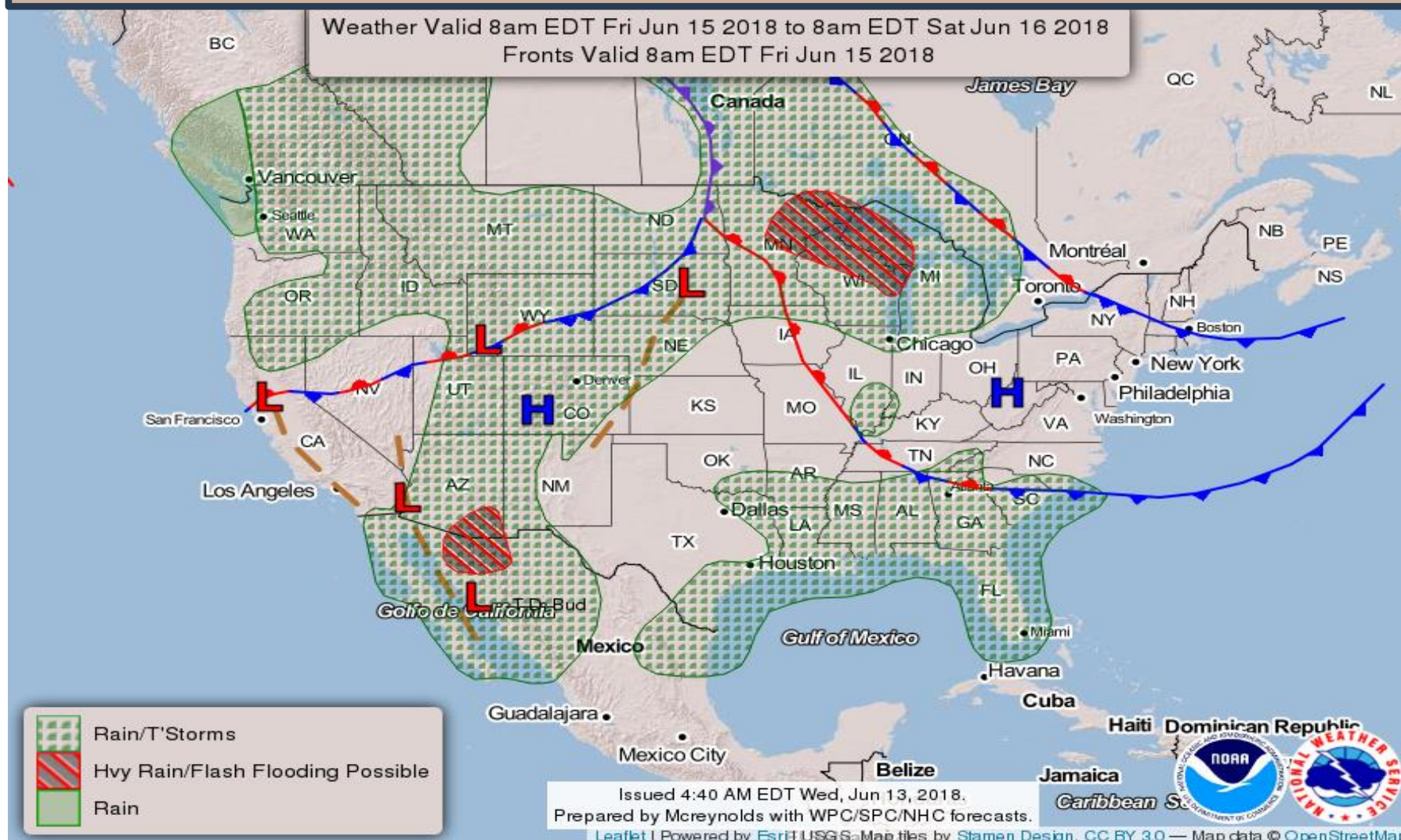
**No Fire Weather Concerns.**





# Friday's Weather

## Forecast Chart



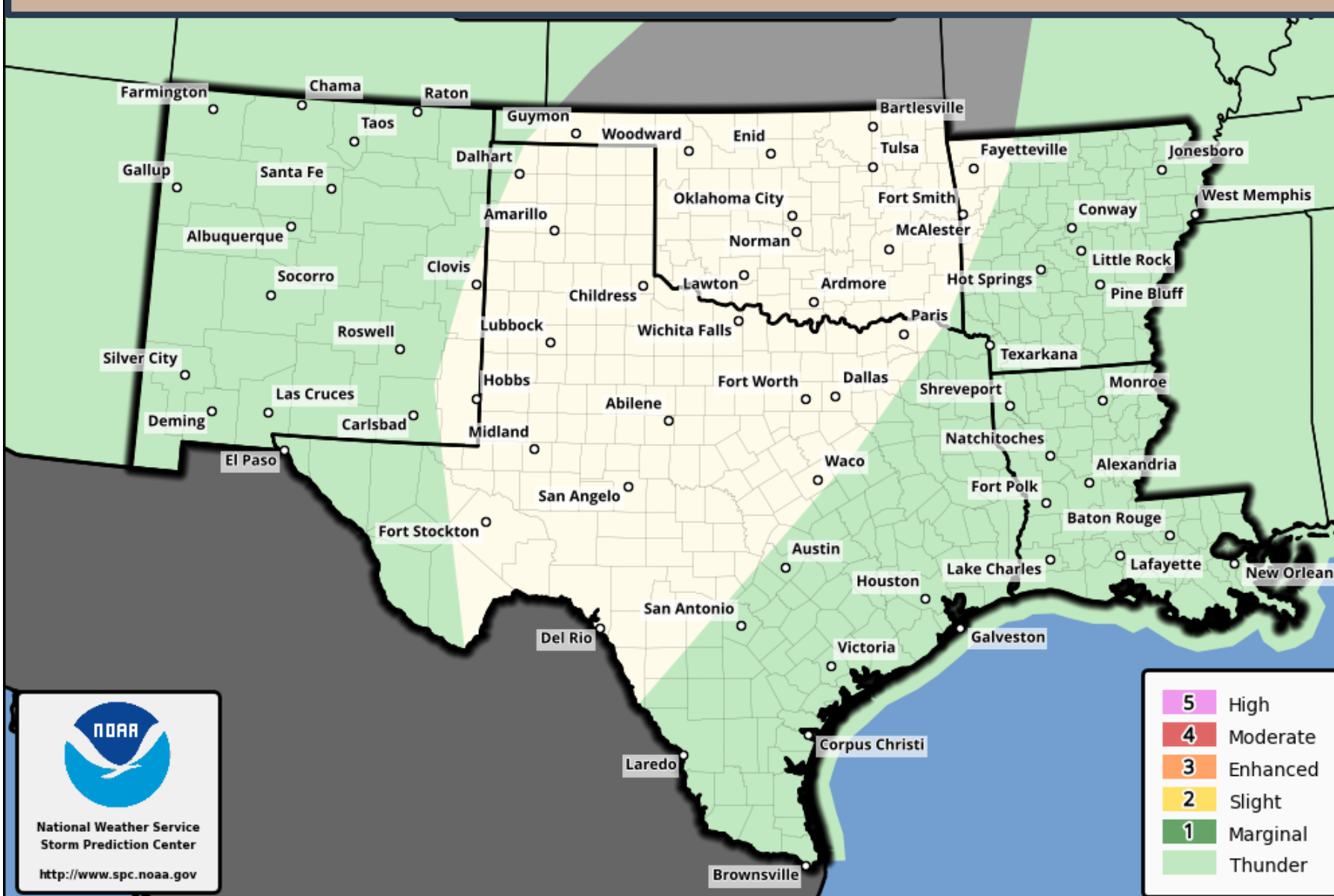
## Forecast Rainfall



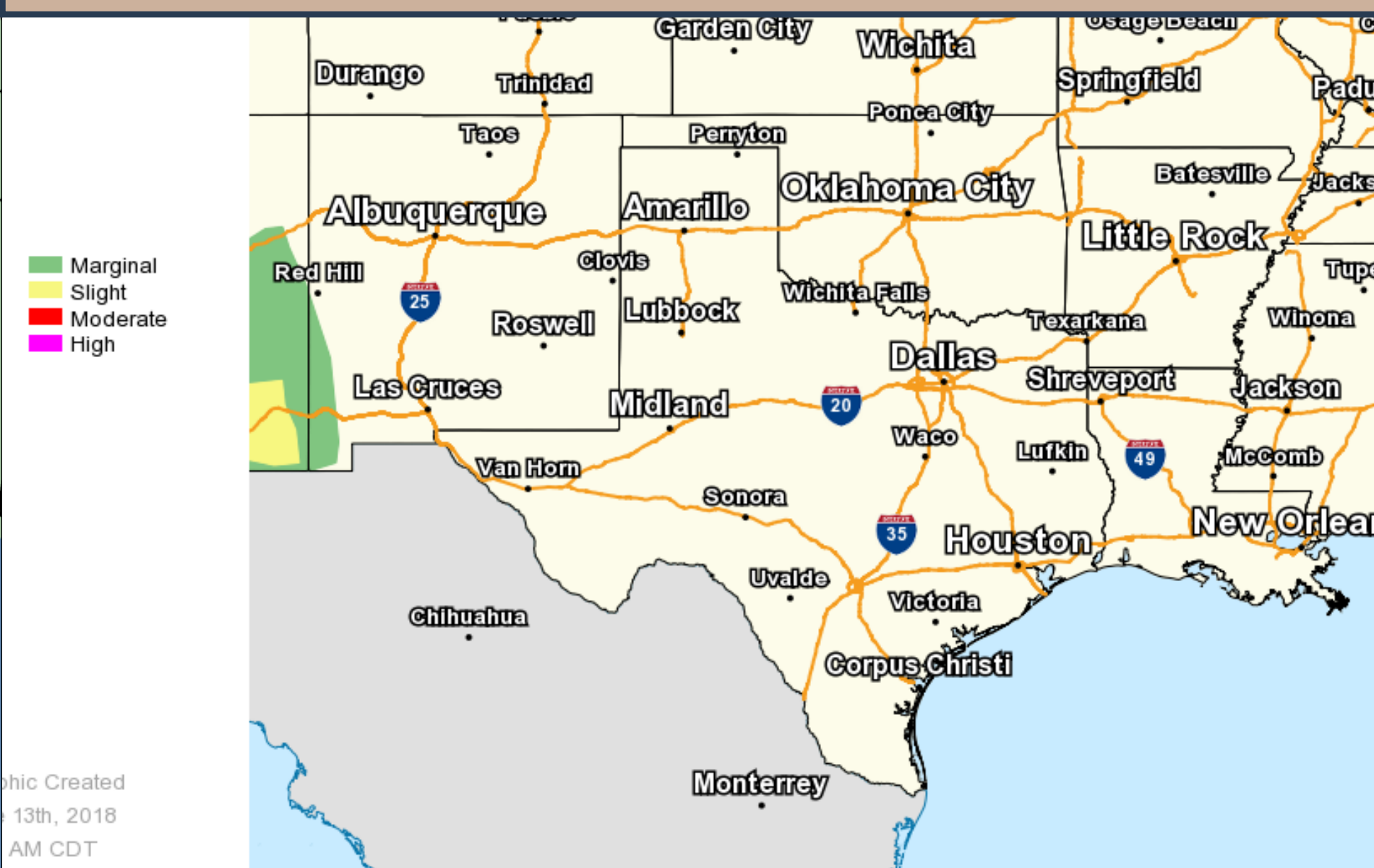
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**Moisture from Bud will likely begin to enter NM and Far West Texas late Friday. Areas of heavy rainfall and flash flooding are possible.**

## Severe Weather Outlook



## Excessive Rainfall Outlook



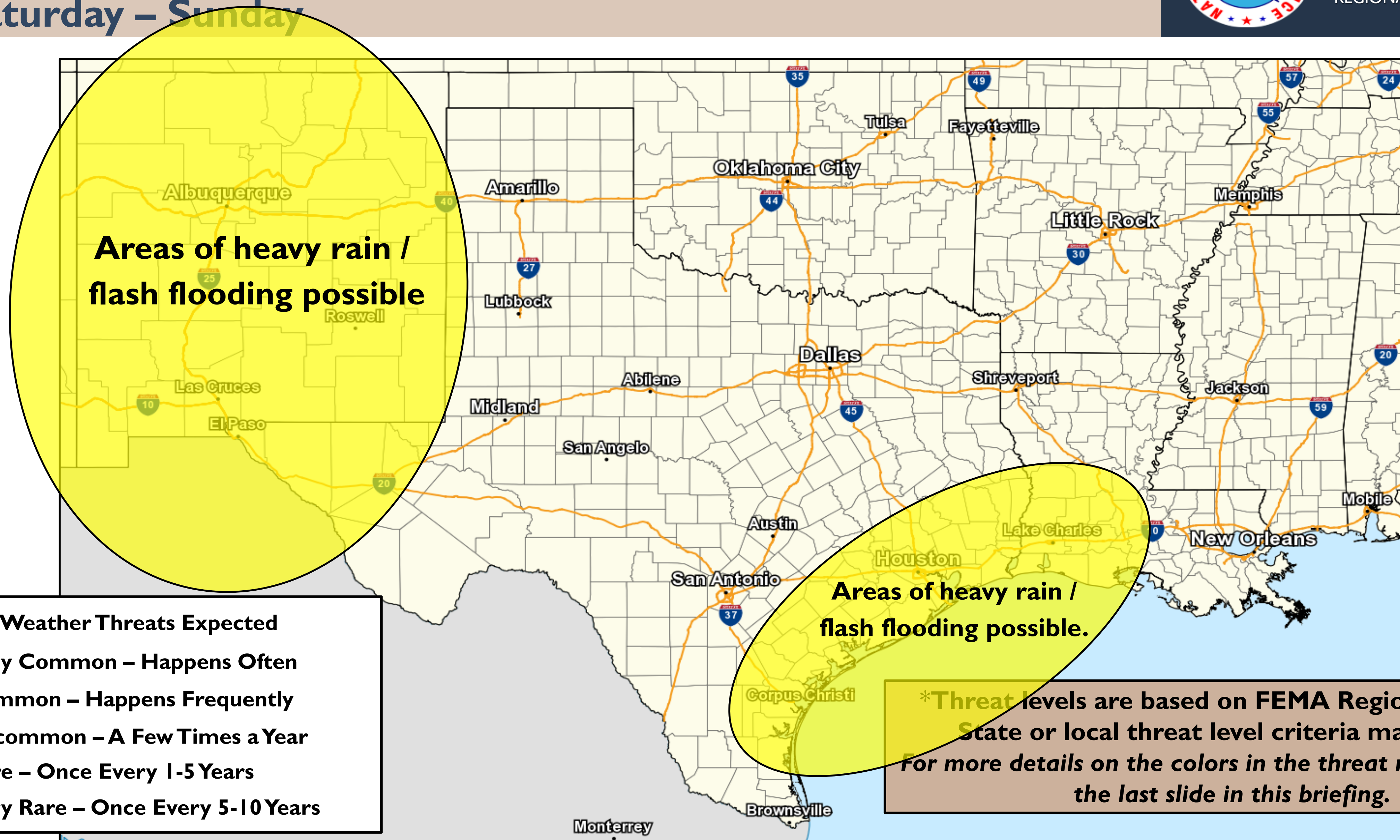


# Days 4-5 Weather Hazards

Saturday – Sunday



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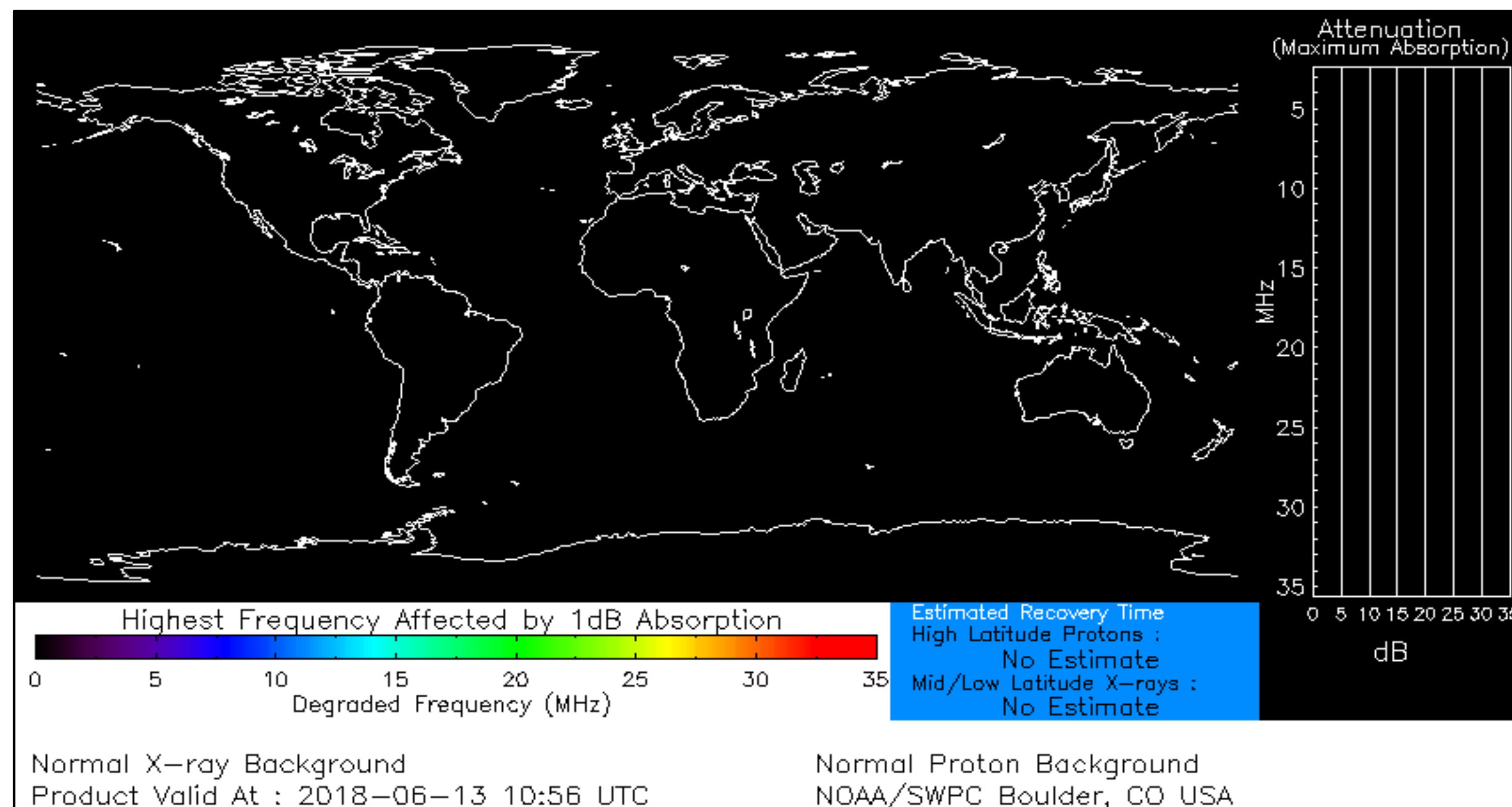


# Space Weather 3-Day Forecast



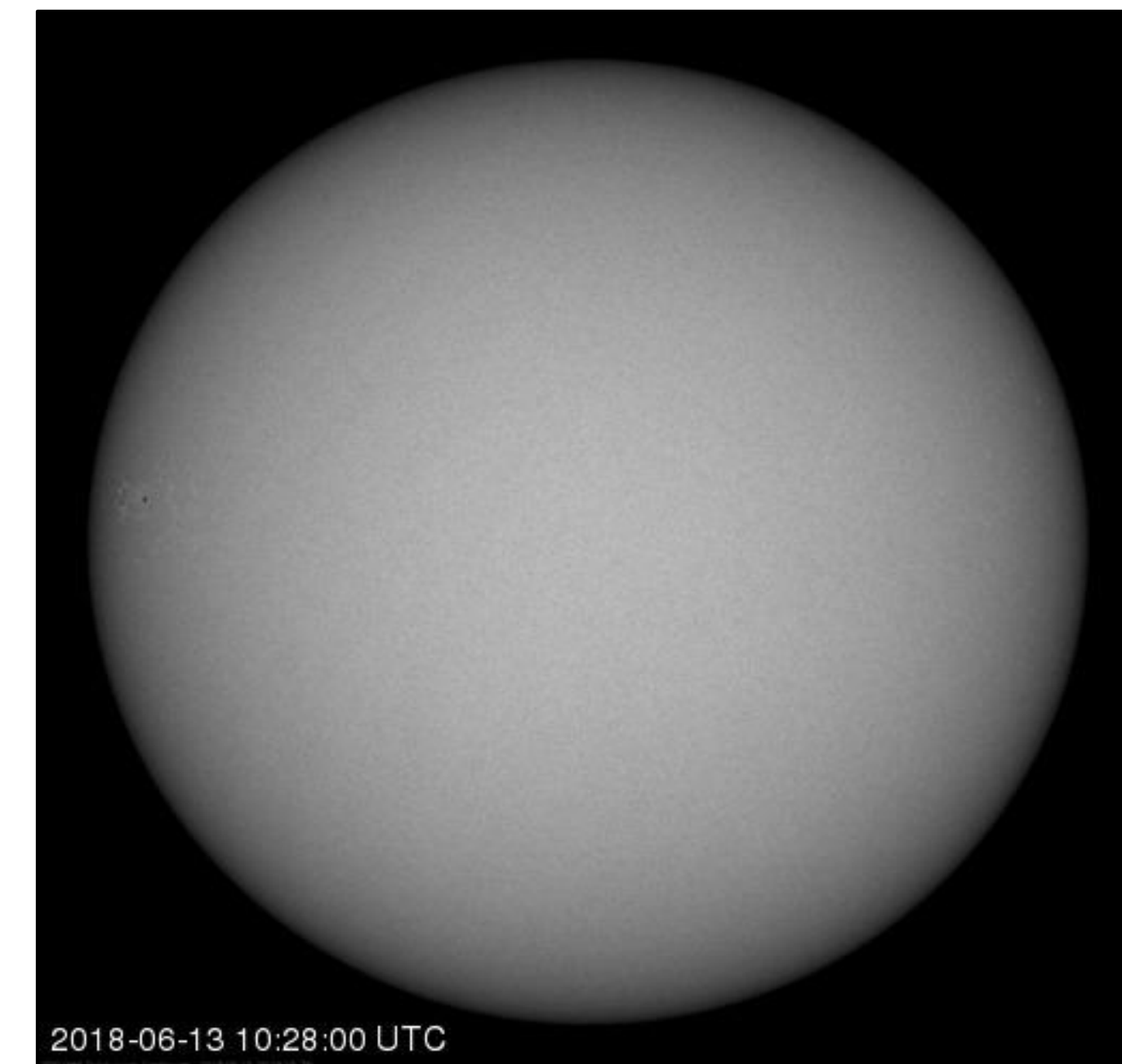
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	Wednesday	Thursday	Friday
<b>Geomagnetic Storms</b>	<b>Quiet</b> (Max Kp = 2)	<b>Quiet</b> (Max Kp = 2)	<b>Quiet</b> (Max Kp = 2)
<b>Solar Radiation Storm (S1-S5)</b>	1%	1%	1%
<b>Radio Blackout (R1-R2)</b>	1%	1%	1%
<b>Radio Blackout (R3-R5)</b>	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)







# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**